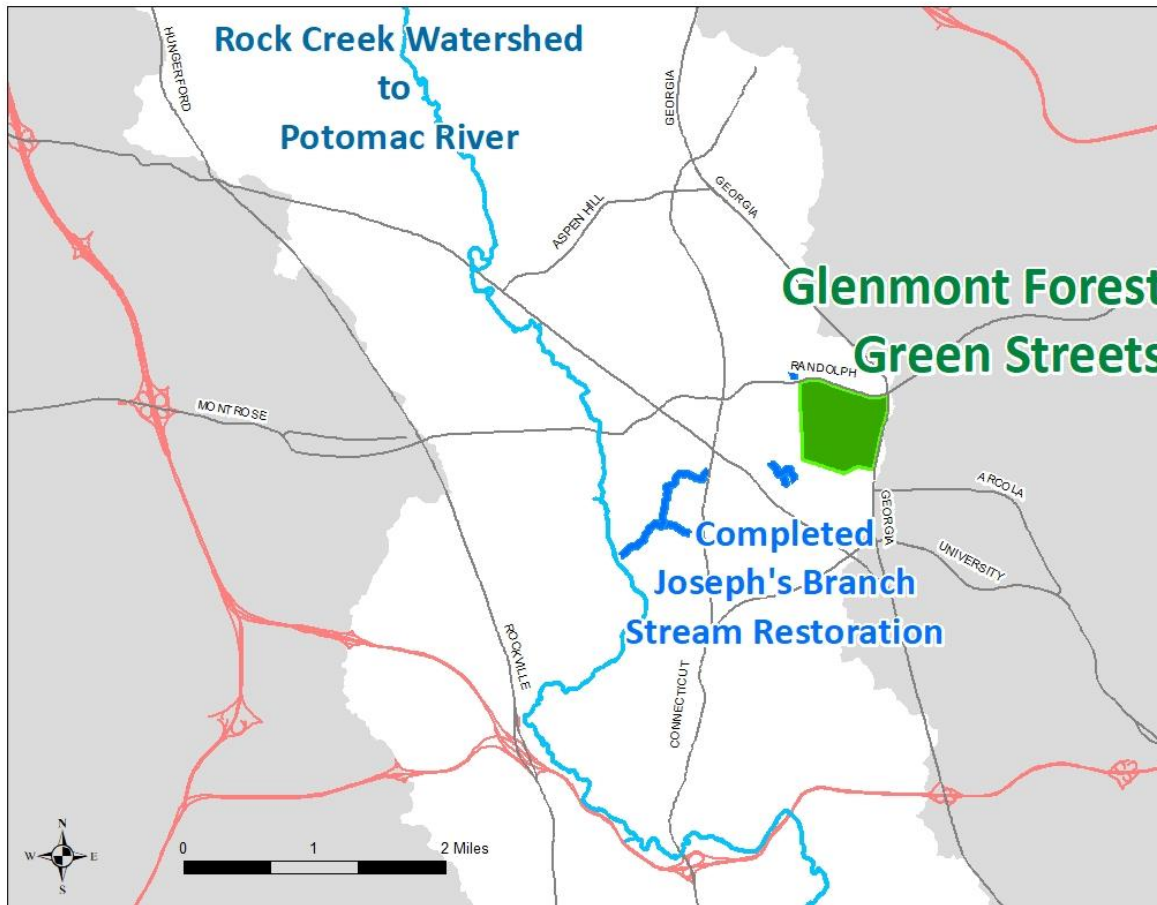
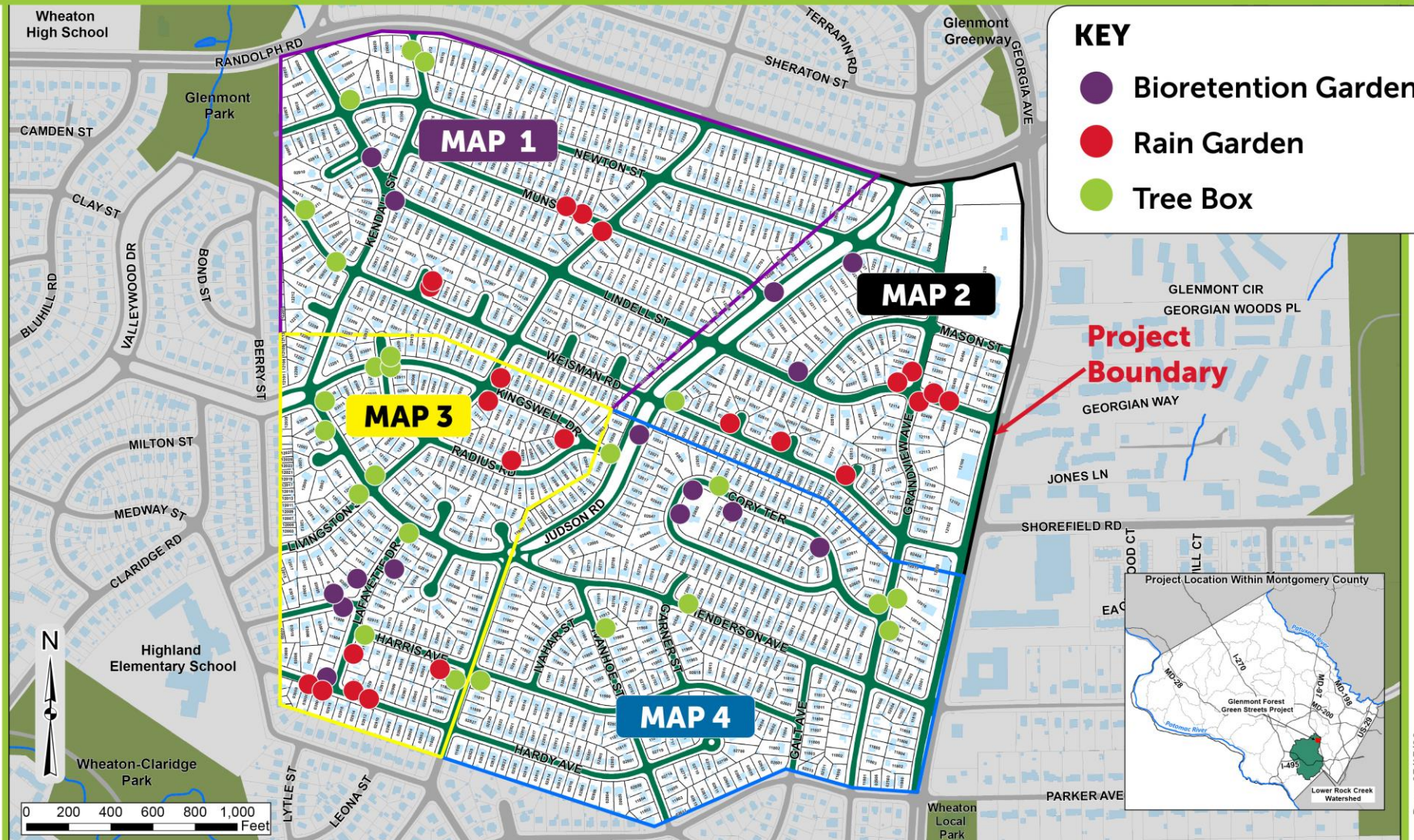


Glenmont Forest Green Streets Project



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What do Green Streets look like?



Rain Garden on Fiesta Ct. – Breewood Neighborhood

Bioretentions and Rain Gardens



Bioretention Garden on Tenbrook Dr
Breewood Neighborhood



Rain Garden in White Oak Neighborhood

What do Green Streets look like?



Tree Boxes

How do Green Streets work?



Why Green Streets?

- Reduce stormwater runoff and filter pollution
- Improve water quality and protect local streams
- Provide natural habitat and support for pollinators and birds
- Creates aesthetically attractive streetscapes, visually connecting neighborhoods, schools, parks, and business districts
- Supports local green job creation

Are Green Streets effective?

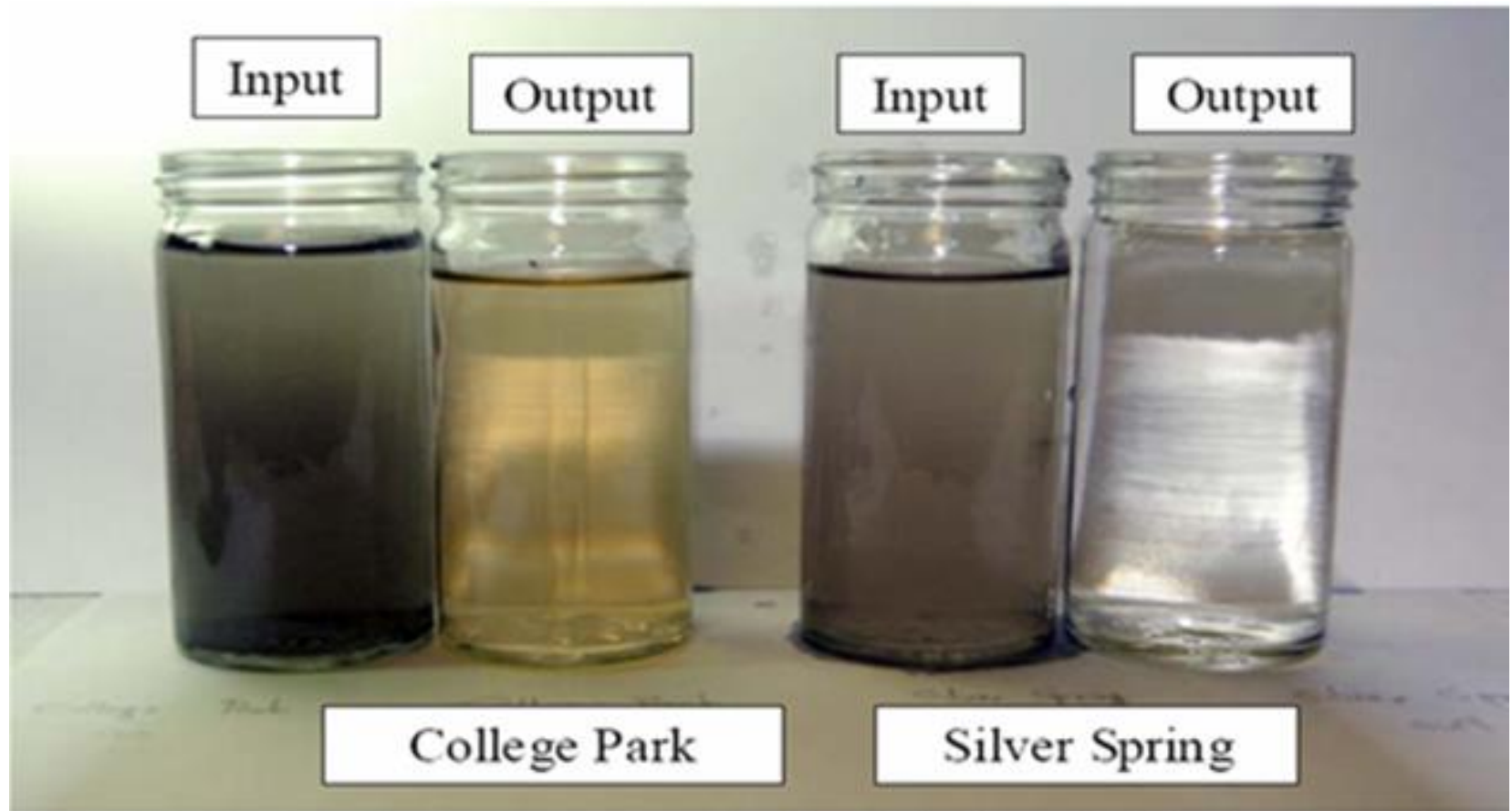
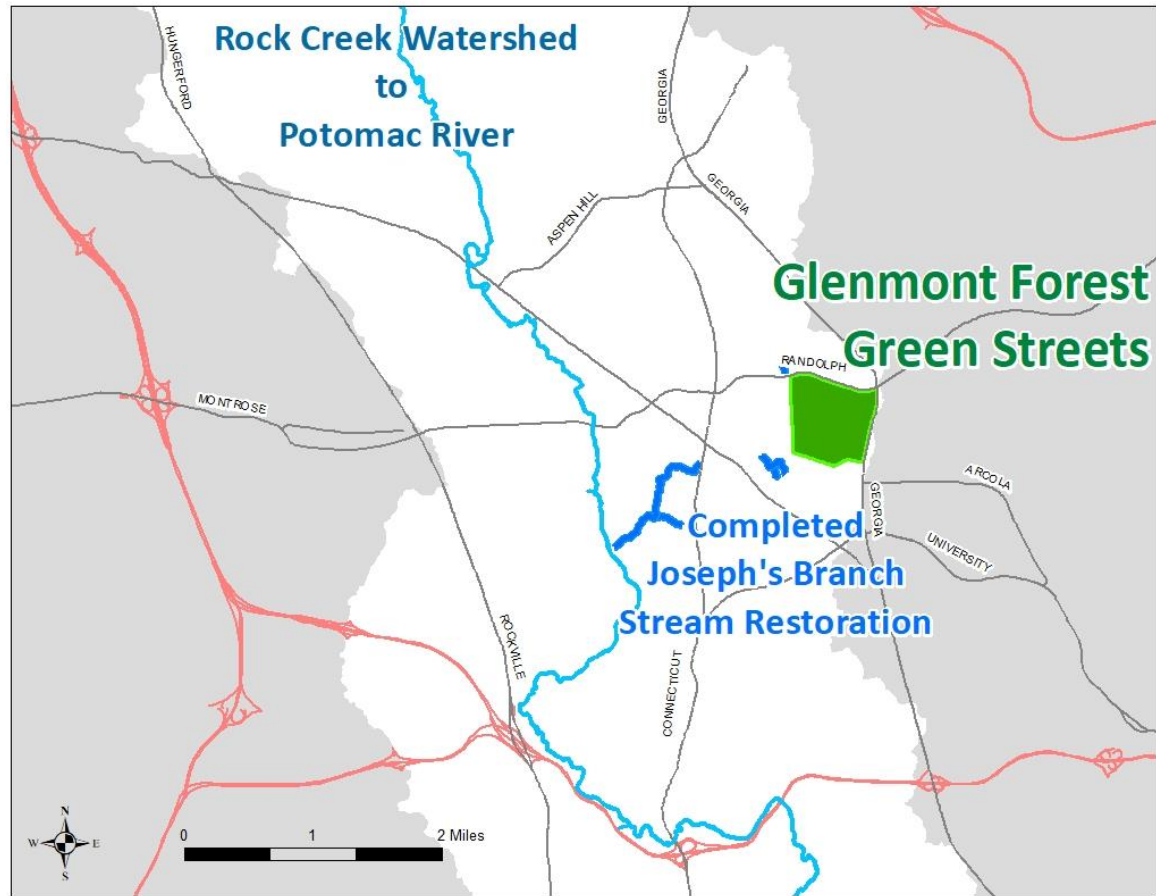


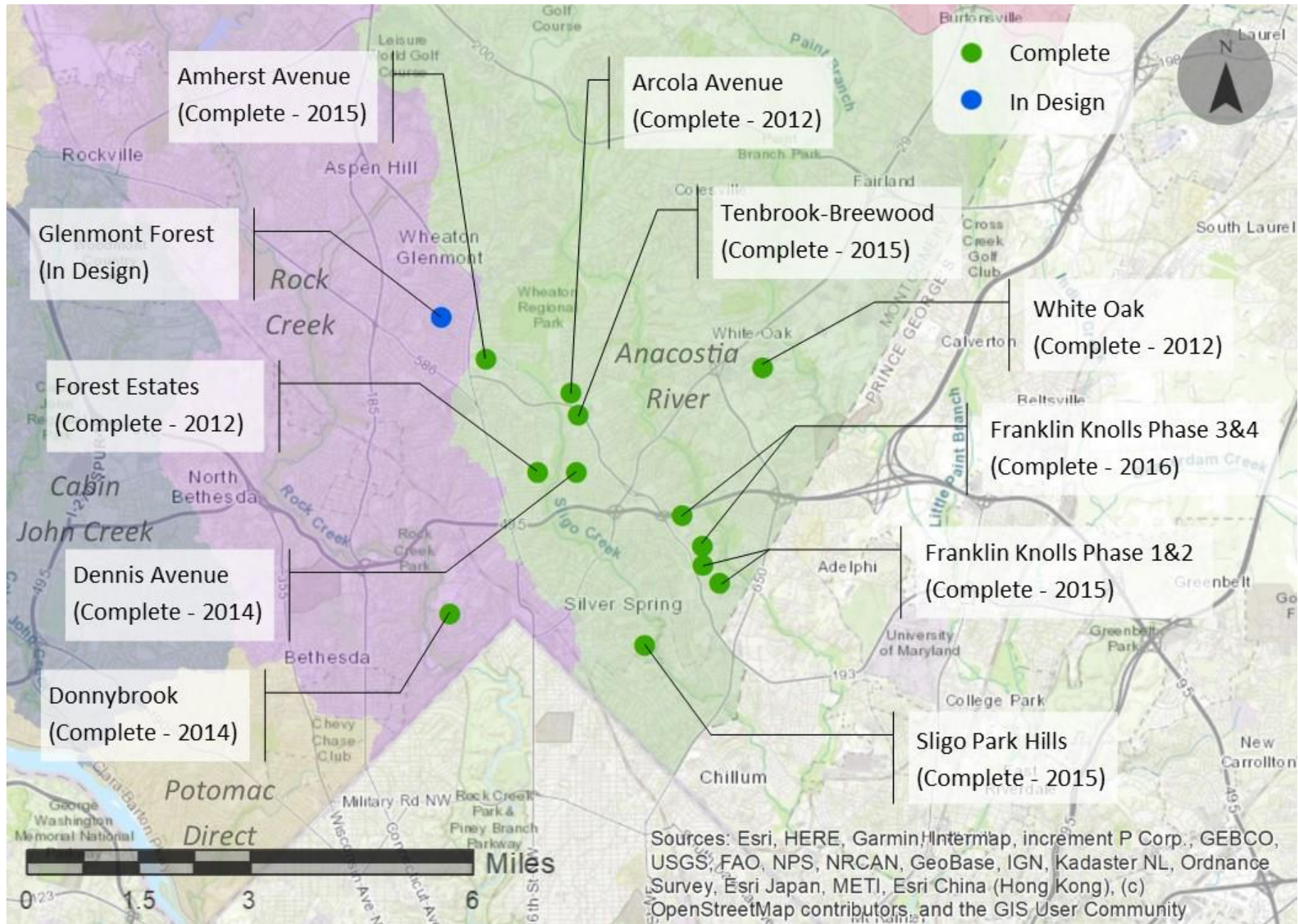
Figure 30. Input and output water samples for Cells CP and SS for the event of 4/3/2006.

Project Selection Process

- GFNCA Partnership on County improvements
- Little/no stormwater management
- Low stream quality
- Proximity to restoration projects
- Physical street characteristics
 - (i.e. Right-of-way width, road slopes, etc.)
- Tree canopy coverage

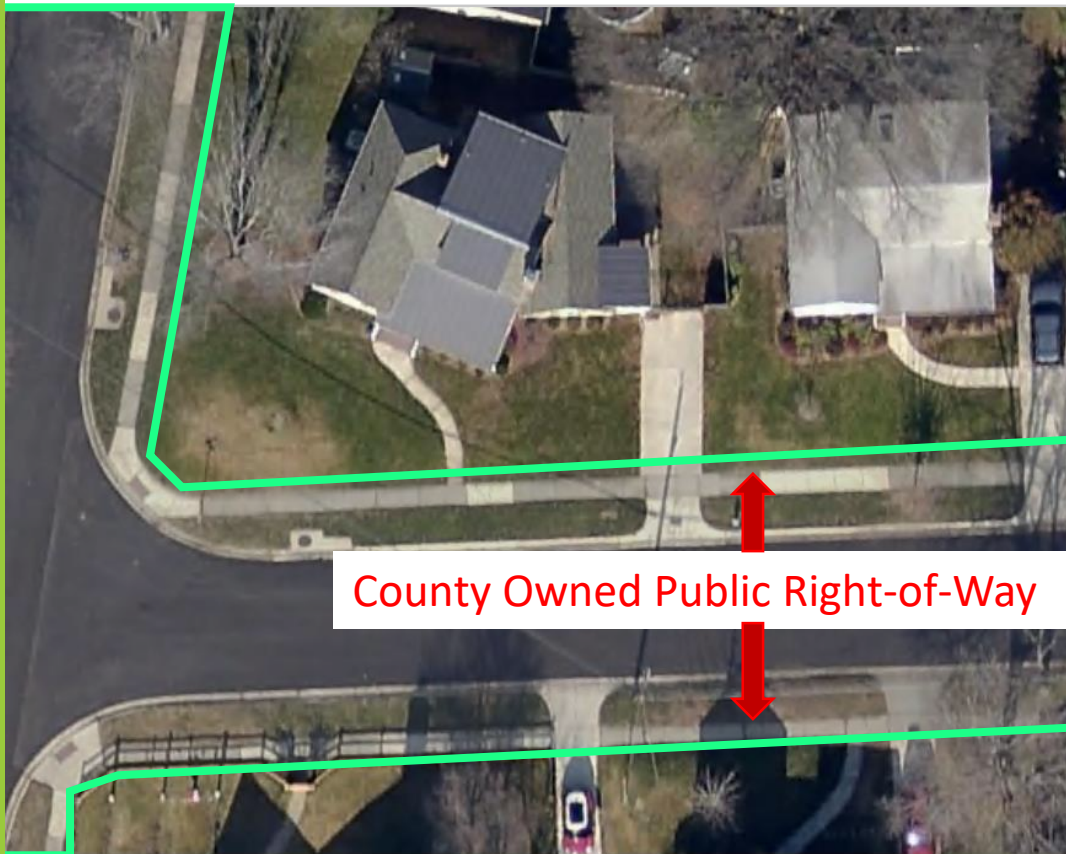


Where Are GREEN STREETS Projects in Montgomery County?



Where will Green Streets be Located?

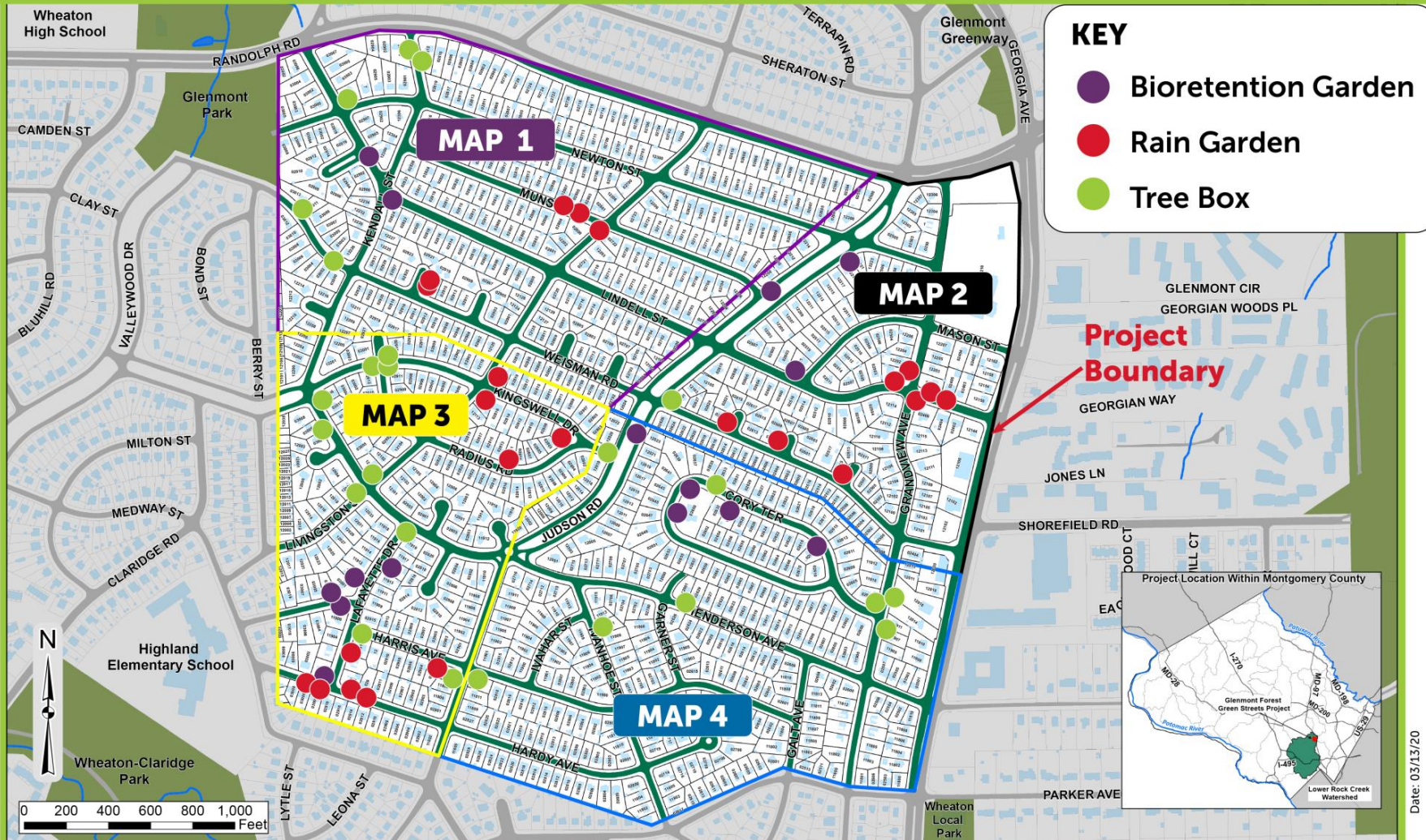
- Selected areas within the Public Right-of-Way



- Between Sidewalk and Curb
- NOT on Personal Property

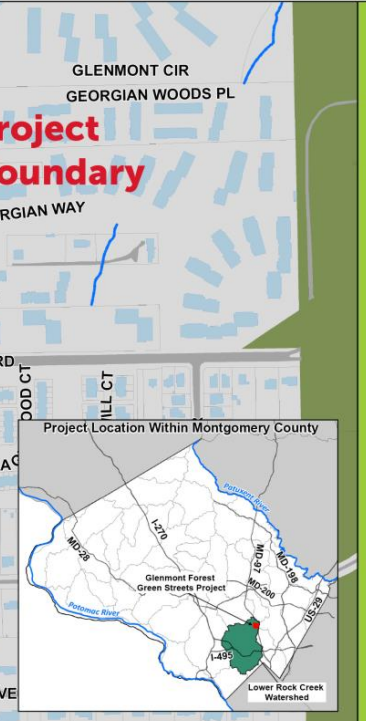
GREEN STREETS

GLENMONT FOREST PROJECT OVERVIEW MAP

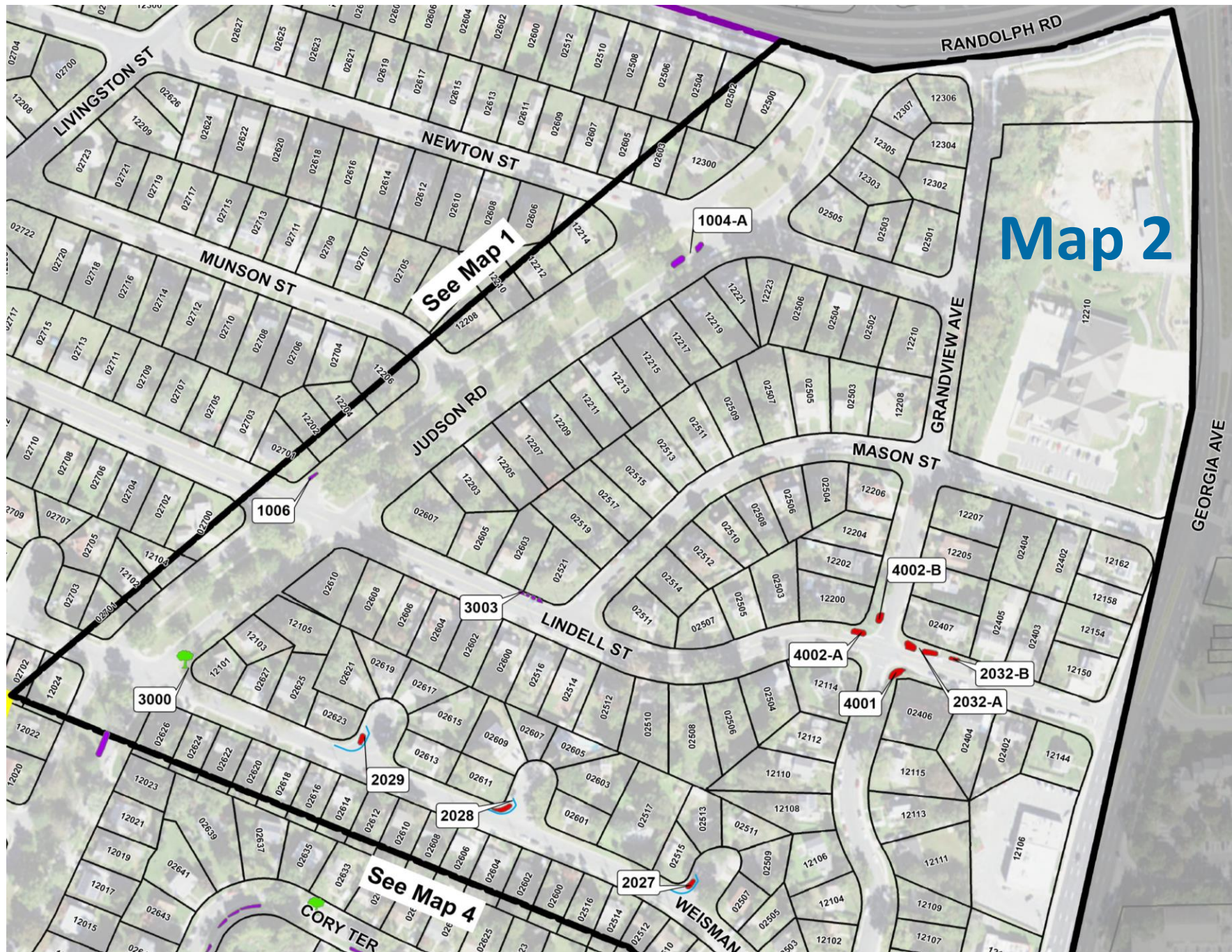


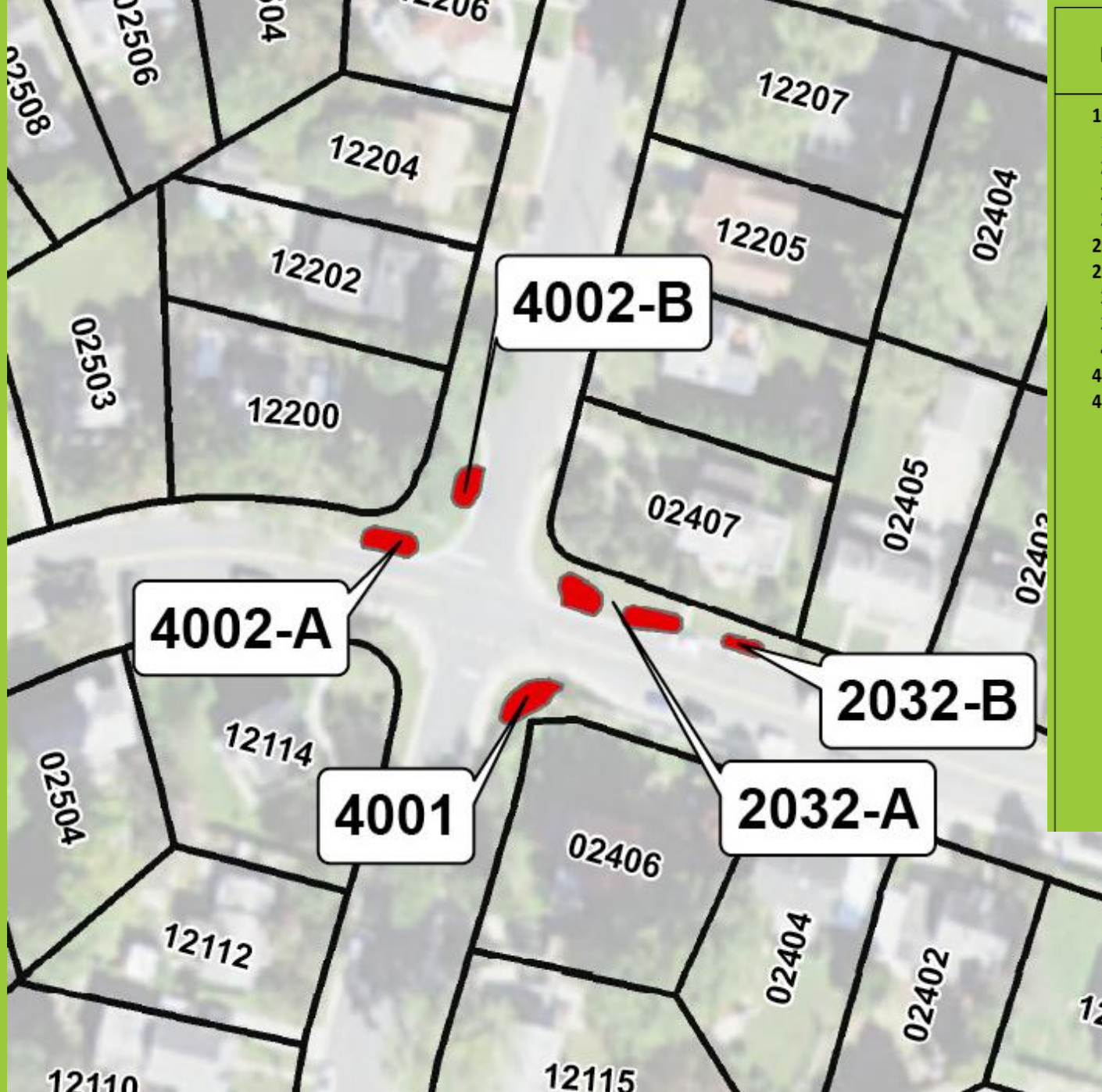
KEY

- Bioretention Garden
- Rain Garden
- Tree Box



Map 2





ID #	Stormwater Practice Proposed
1004-A	Bioretention
1006	Bioretention
2027	Rain Garden
2028	Rain Garden
2029	Rain Garden
2032-A	Rain Garden
2032-B	Rain Garden
3000	Tree Box Filter
3003	Bioretention
4001	Rain Garden
4002-A	Rain Garden
4002-B	Rain Garden

Location:
**Grandview Ave
and Lindell St**

Neighborhood Planting Template

**GREEN
STREETS**

APPROVED PLANTING DESIGN



Pollinator Rain Garden in Late Summer



Dwarf Aromatic Aster

Height: 1.5 - 2 ft.



Oct



Blue Flag Iris

Height: 2 - 3 ft.



May-Jun



Dwarf Switchgrass

Height: 3 ft.



Golden Groundsel

Height: 1 ft.



April



Dwarf Joe Pye Weed

Height: 3 - 4 ft.



Sep

Tree Selections



Eastern Redbud



Serviceberry

Plants Selected for your Neighborhood

- Native Plants
- Aesthetics
- Tested true
- Salt tolerance
- Drought tolerance
- Properly sized
- Deer Resistance



“Right plant for the right space”



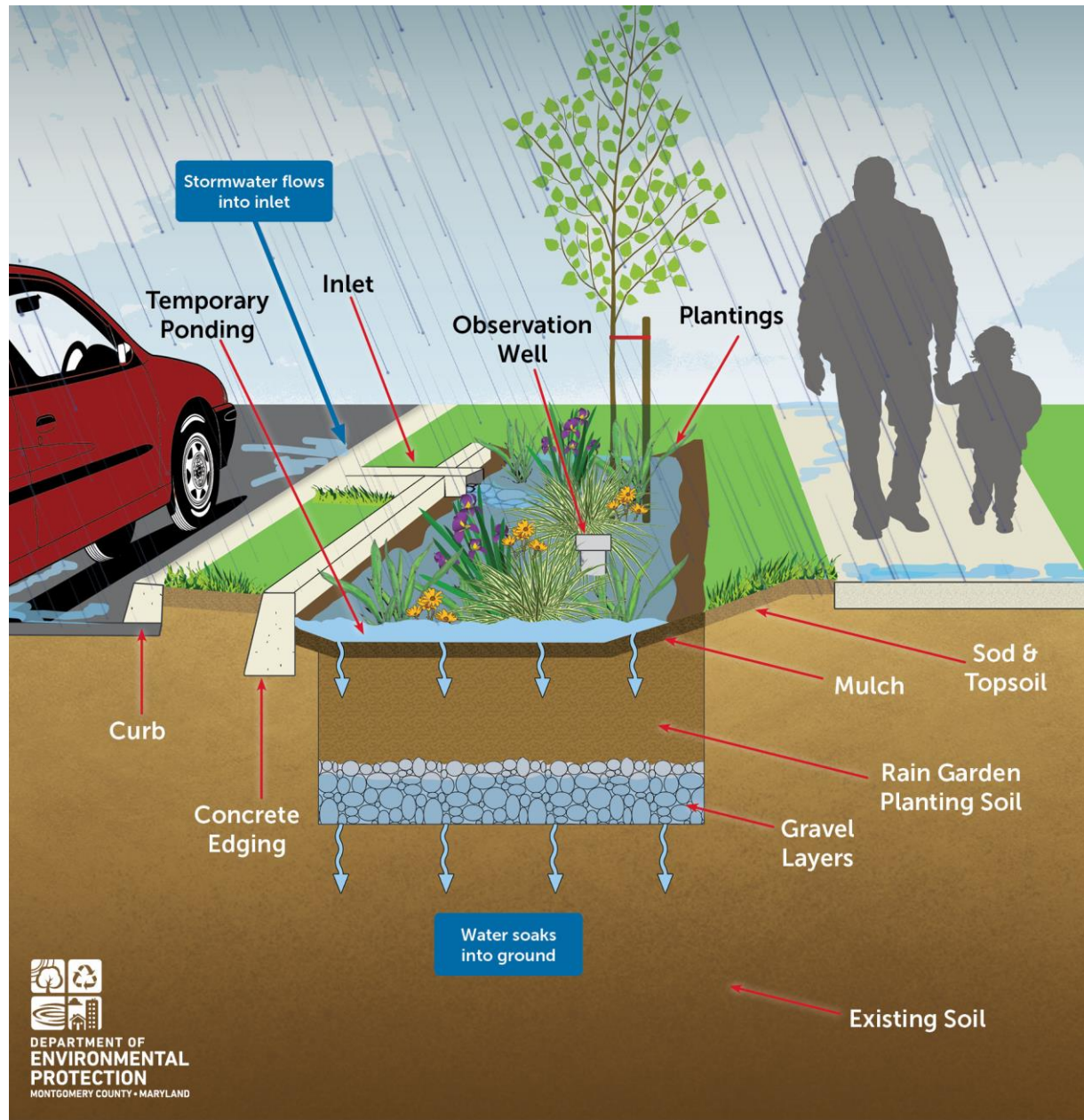
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What are Design Considerations?

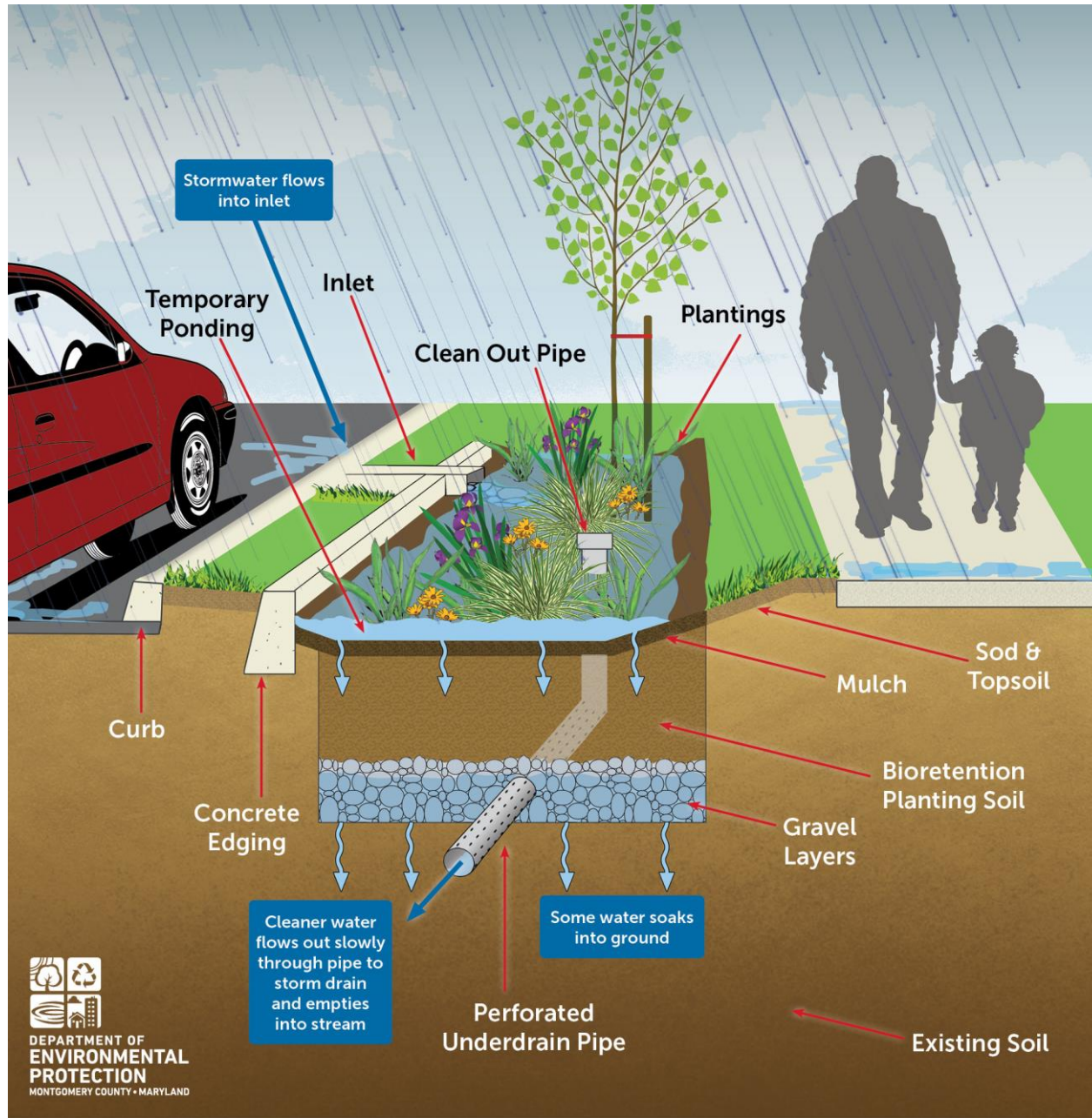
Safety & Property Use



Components of a Rain Garden



Components of a Bioretention



What are Design Considerations?

Q: How long do they hold water?

A: They drain within 12 - 48 hrs

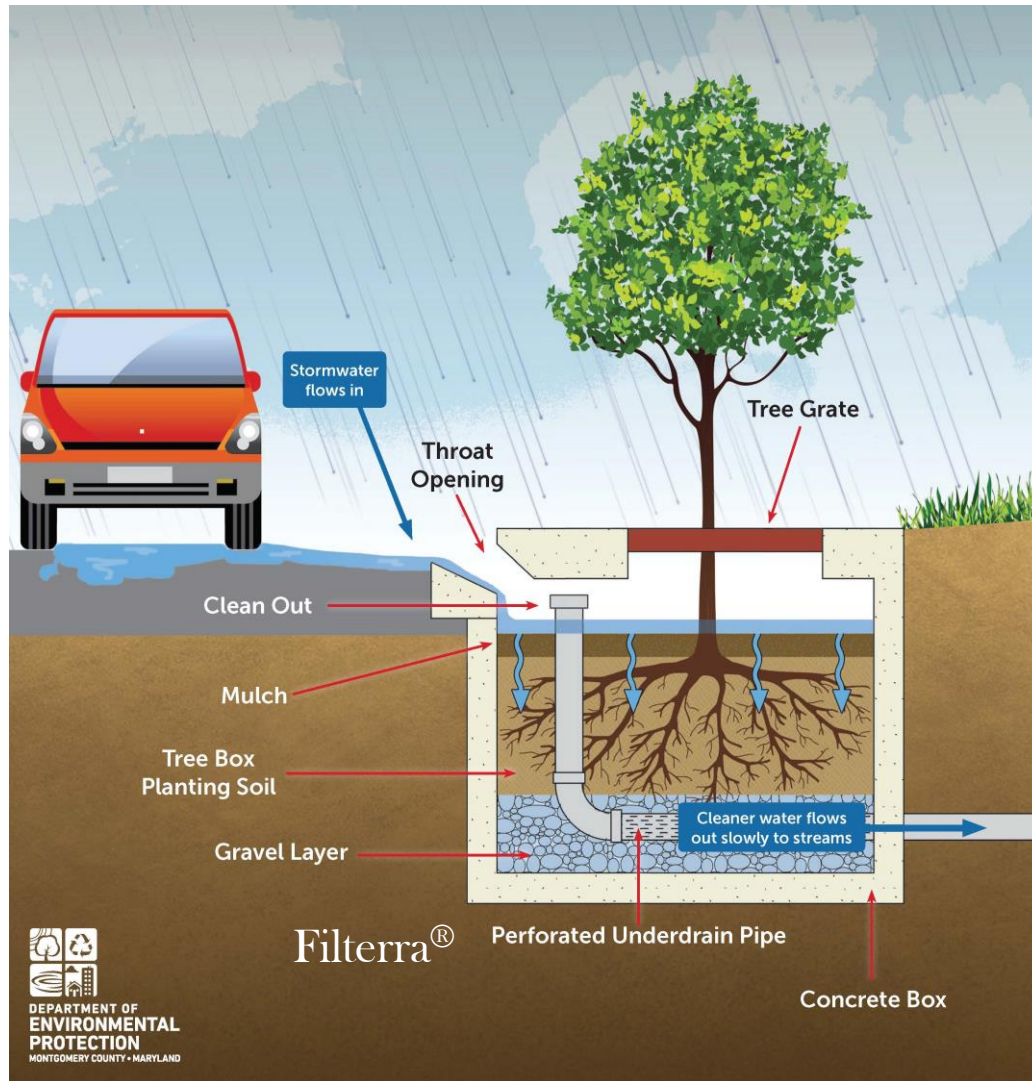


During the Rain (*Tenbrook Dr, May 14th 2016*)



Dry 48 HRs Later (*Tenbrook Dr, May 16th 2016*)

Components of Tree Boxes



What are Design Considerations?

Safety & Property Use



Car Step Out



Trash/Recycling
Pick Up &
Fall Leaf Placement

Project Schedule

Project Phases	Dates
Preliminary Site Assessment	Fall – Winter 2013
1 st Public Meeting	March 12, 2014
Draft Designs	Spring 2016
2 nd Public Meeting	July 26, 2016
Community Walk	July 30, 2016
Permit Design	Spring 2018
Project placed on Hold	August 2018 – December 2019
GFNCA Member Meeting	January 27, 2020
Open House Public Meeting	May 2020
Deadline for Public Comments	June 6, 2020
Final Plans complete	Fall 2020
Construction	Winter 2021 – Spring 2022
Construction Completion	Approx. June 2022
Celebration!	Summer 2022



We Are Here

Green Streets Construction

What to expect

Resident Notification

- Mailing to entire neighborhood before construction begins
- Signs posted along streets 2-3 weeks before any construction activity
- Provide one-month look-ahead on project and community websites

Duration

- Entire project - approximately 15 months
- Individual locations - generally 2-3 weeks for main activity

Construction Hours

- Monday through Friday, 7AM – 4PM

Safety

- Fencing will be installed around individual locations
- The County will follow all applicable COVID-19 precautions at the time

Traffic

- Minor impacts to traffic from construction activities

Parking

- No Parking signs will be posted at individual locations a week before any construction activity, and will be removed after each site is stabilized

Green Streets Construction



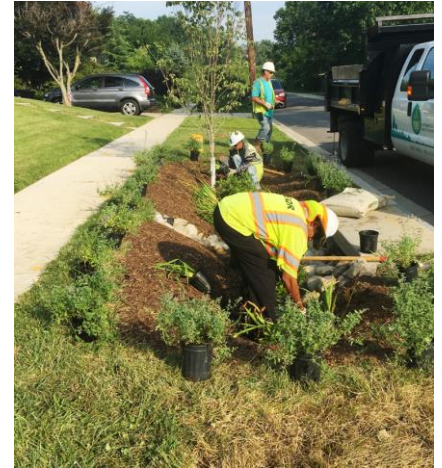
Plants Take Time to Grow



Initial Installation vs. 2yrs Later

How are they maintained?

- County (DEP) is Responsible for maintenance
- DEP will visit each facility every 6-7 weeks (~8/year)
- Maintenance Team will:
 1. Remove sediment, trash, leaves, etc.
 2. Remove weeds
 3. Prune plants
 4. Edge around facility
 5. Water plants, if needed
 6. Replace plants, as needed
 7. Replenish mulch, as needed



Communication

- Virtual meeting
- Project Website
- Social Media
- Nextdoor
- Listserv & Emails
- Flyers
- Civic Associations
- Neighborhood signs



Community Outreach



Community Walks



**Glenmont
Block Party**

Quotes from Residents

- ✓ *"We weren't sure how we would like the new look or if parking would be affected. When it was finished, we watched with delight as dirty water flowed in and clean water flowed out".*

- Resident, Portland Pl

- ✓ *"Our property borders a Green Street garden and we receive comments on how nice it looks all the time!"*

- Resident, Dennis Ave. Green Streets

- ✓ *"My house backs up to these and I expect it to be a great selling point when that time comes.*

-Resident, Breewood Manor

- ✓ *"I originally thought it would be a pond to breed mosquitoes, but this has not been the case. The County maintains it and has been really responsive!"*

-Resident, Dennis Av. Green Streets



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End Result: Happy People, Happy Neighborhoods & Healthy Streams



Other DEP Programs for Residents

- RainScapes – Rainscapes.org
- Tree Montgomery – Treemontgomery.org
- Organic Lawn Care
 - www.montgomerycountymd.gov/lawns
- Residential Energy Program -
 - www.montgomerycountymd.gov/green/energy/home
- Volunteer -
 - <https://www.montgomerycountymd.gov/water/volunteer>

Contact: Doug Marshall

Project Planner, Watershed Restoration Division

douglas.marshall@MontgomeryCountyMD.gov

240-777-7767

Project updates will be available on the project webpage:

<https://www.montgomerycountymd.gov/water/restoration/glenmont-forest.html>

OR

Google “Glenmont Forest Green Streets”



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